

IG. I

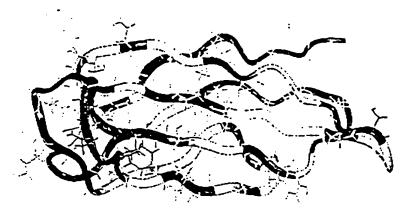


FIG. 2



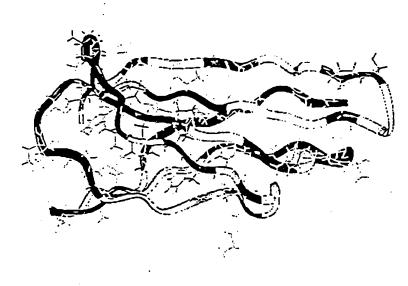
FIG. 3

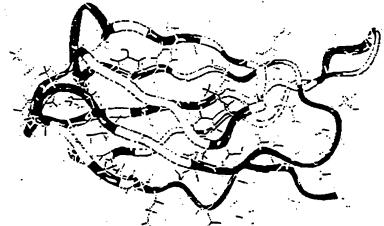
X C C C C C C C C C C C C C C C C C C C	CAP C12 FHD FH TP TC U1	cons.	HE FND BE EN EL FND BE EN EN EL FND GO EN TO EN TO CAP NO CAP OC
Bovis taurus Canis familiaris Equus caballis Sus scrofa Homo sapiens Oryctolagus cuniculus Xenupus laevis	Collagen alpha precursor Collagen type 12 Fibronectin type III domain Fibronectin Tenascin precursor Tenascin-C Undulin 1	F L V SL H	VSDVPRD-LE VVAATPTSLL VSDVPRD-LE VIASTPTSLL VSDVPRD-LE VIASTPRSLL VS-PPKD-LV VTeVTeeTVN VS-PPKD-LV VTeVTeeTVN HIDGPQD-LV VVAVTPTTLD TIPVPVVSLN IYDVGPTTMII TIPVPVVSLN IYDVGPTTMII LaipmaSDLK IYDVTCHSHR
cow dog horse pig human rabbit African clawed frog	a in	H 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19 20 29 30 ISHDAPAVIV RYYRITYG ISHDAPAVIV RYYRITYG ISHEPPAVSV RYYRITYG ISHEPPAVSV RYYRITYG ISHEAPAVIV RYYRITYG ISHEAPAVIV RYYRITYG ISHOPPIAI TGYIIKYE LAHDD-EHIV TEYLLVYTP- LAHDD-EHIV TEYLLVYTP- LAHDD-VGGA TGYILSYRPV VOHOP-VGGA TGYILSYRPV VOHOP-VGGA TGYILSYRPV AKHOG-VAGA TGYILSYRPV VKHUA-VPGA SGYLILYAPL VKHUA-VPGA SGYLILYAPL
d (rog	BOLD lower case		ETGGNSPYQE FTVPG ETGGSSPYQE FTVPG ETGGNSPYQE FTVPG ETGGNSPYQE FTVPG ETGGNSPYGE FTVPG QTGGHGPEKE FTVPG QTGGHGPEKE FTVPG AFGSAPLEVY PLPPP -THEGGIENO FLVPG -THEGGIANDEKE IKIGE KDTEPTTPKE VELGPP KDTEPTTPKE VELGPP KDTEPTTPKE VELGPP KDTEPTTPKE VELGPP KDTEPTTPKE VELGPP KDTEPTTPKE VELGPP ATTEGLANDEKE HKIGE
	identical to Hs FND non-conservative substitution (charge reversal, change between hydrophebic and charged, addition or removal of P) position of non-conservative substitutions	I L PGVD X ITV A G S P L I NTE VOL N R AS R E	TISGLEGUD YTITYYAVTG RGDSPASSEP VSIN TINGLEGAD YTITLYAVTG RGDSPASSEP VSIN TINGLEGAD YTITLYAVTG RGDSPASSEP VSIN TINGLEGAD YTITYYAVTG RGDSPASSEP VSIN TITGLEGAD YTITYYAVTG RGDSPASSEP VSIN TITGLEPGAD YTITYYAVTG RGDSPASSEP VSIN TITGLEPGTE YTIQVIALEN NOKSEPLIGE KETH TITGLEPGTE YTIQVIALEN NOKSEPLIGE KETH TITGLEPGTE YTIQVIALEN NOKSEPLIGE KETH TITGLEPGVE YFINVFAILE HKKSIPVSAE V TIRELEPGVE YVATVTAERG HAVSYPASIE AHTG OLTGLEPHTE YAVTVYANFG GEASUPVTGG G ELGGLLPHTE YTVTYYANFG GEASUPVTGG G



3

FIG. 5





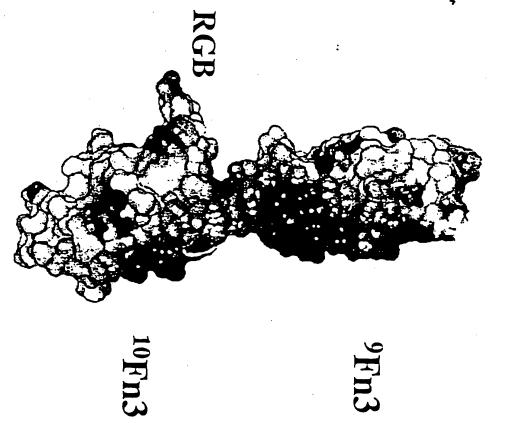


FIG. 6

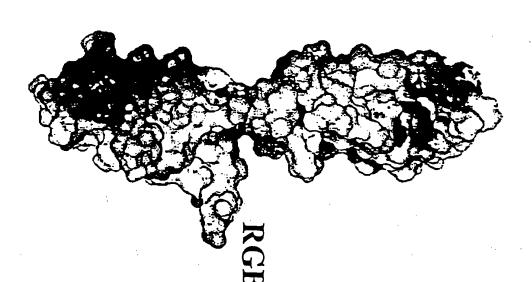
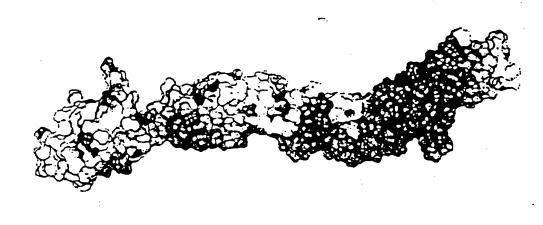
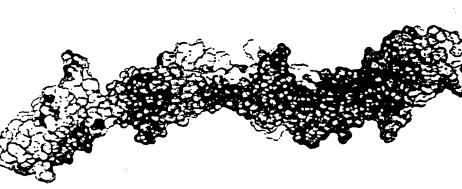
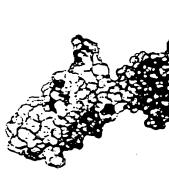
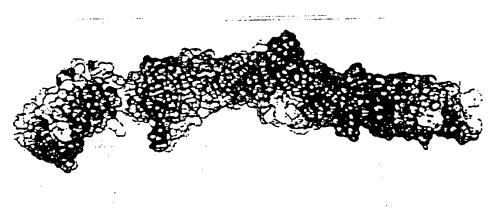


FIG. 7









⁹Fn3



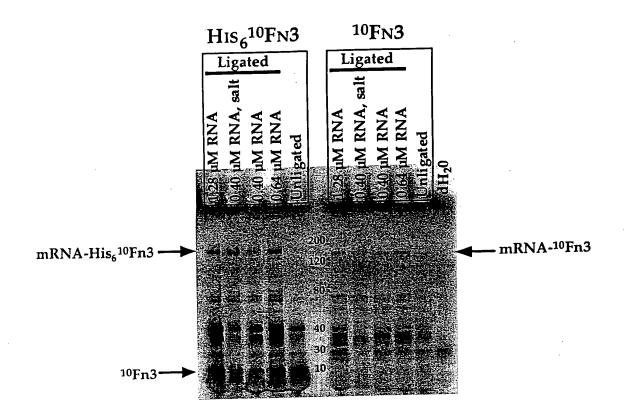


Figure 8

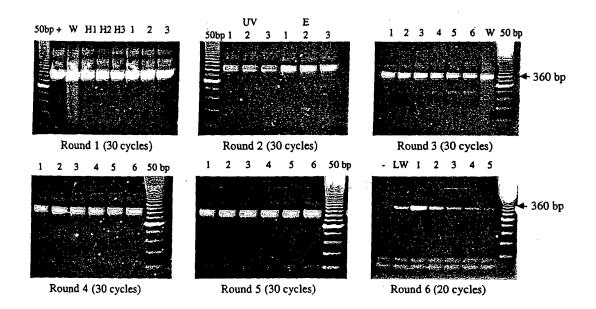


Figure 9

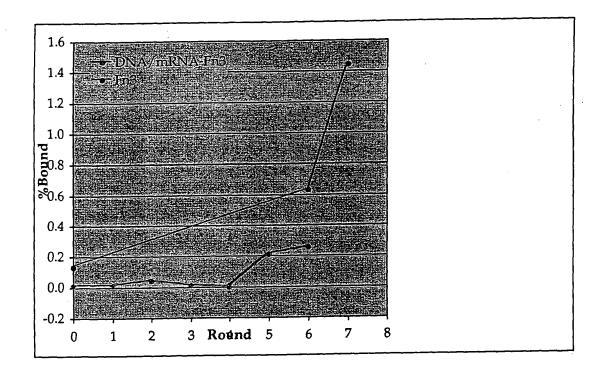


Figure 10

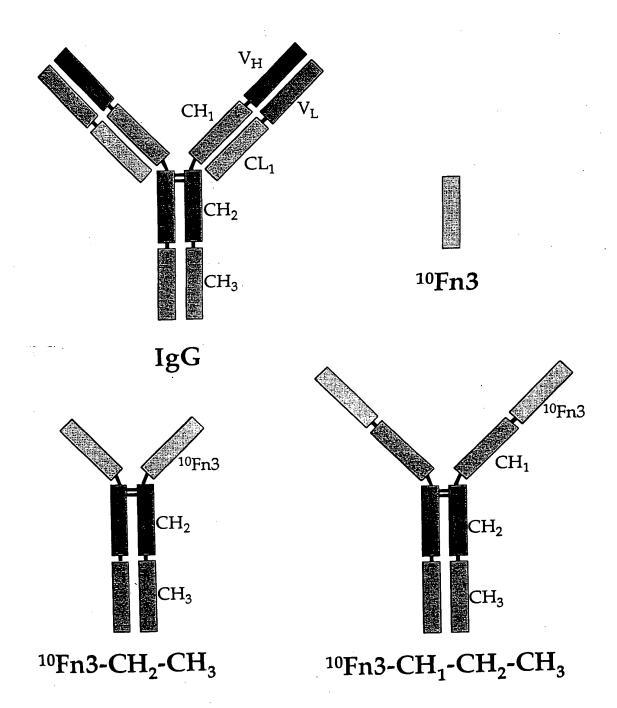


Figure 11

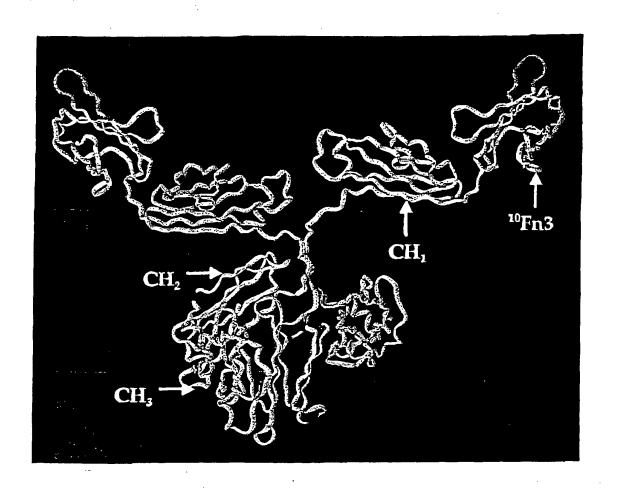


Figure 12

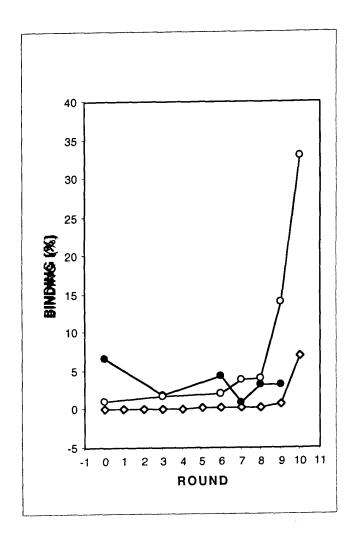


FIGURE 13

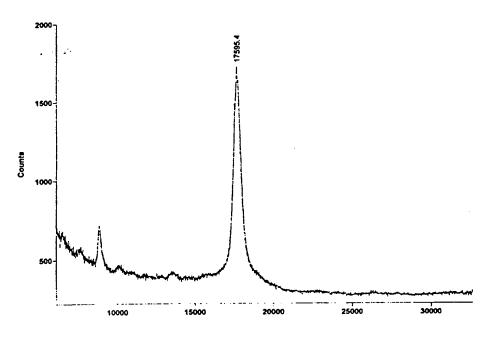


FIGURE 14

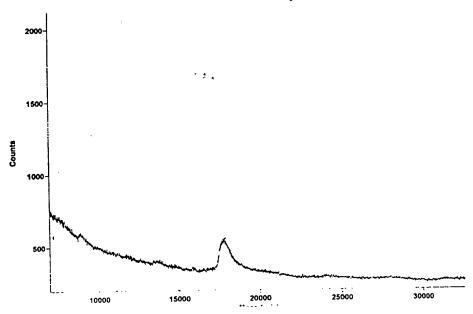


FIGURE 15

1

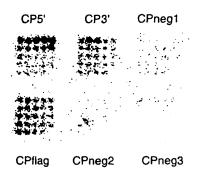


FIGURE 16

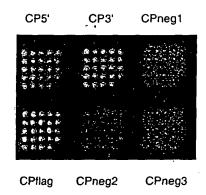


FIGURE 17